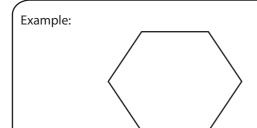
Exterior Angle



Sum of Exterior angles = 360°

Exterior angle = $\frac{\text{Sum of the exterior angles}}{\text{Note of the exterior angles}}$ Number of sides $=60^{\circ}$

Find the exterior angle for each regular polygon. Round the answer to nearest whole number. 2)

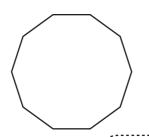
1)

4)

7)

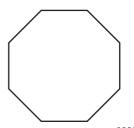
Number of sides $= \langle$

Each exterior angle =



Number of sides = (

Each exterior angle =



Number of sides =

Each exterior angle =



Number of sides = (

Each exterior angle =

regular 13-gon

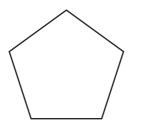
Number of sides =

Each exterior angle =

10) regular 20-gon 11)

Number of sides = (

Each exterior angle $= \frac{1}{3}$



Number of sides =

Each exterior angle =

regular 15-gon

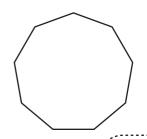
Number of sides =

Each exterior angle = (

regular 18-gon

Number of sides =

Each exterior angle =



Number of sides =

Each exterior angle =

regular 12-gon

Number of sides =

Each exterior angle $= \langle$

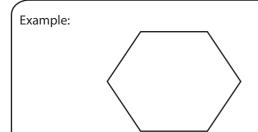
regular 14-gon

12)

Number of sides =

Each exterior angle =

Answer Key

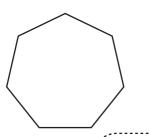


Sum of Exterior angles = 360°

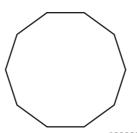
 $\mbox{Exterior angle} = \frac{\mbox{Sum of the exterior angles}}{\mbox{Number of sides}}$ $=60^{\circ}$

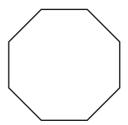
Find the exterior angle for each regular polygon. Round the answer to nearest whole number.

1)



2)

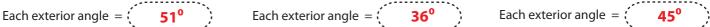




Number of sides = 7

Number of sides = (10)

Number of sides = . 8

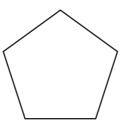


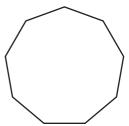
4)

7)

10)



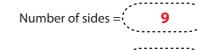




Number of sides = (4



Number of sides = (5



regular 13-gon



regular 15-gon

regular 12-gon

regular 14-gon

Number of sides = (13

Number of sides = (15

Number of sides = 12

Each exterior angle = 28°

Each exterior angle = (24°

Each exterior angle = 30°

regular 20-gon 11) regular 18-gon 12)

Number of sides = (20)

Number of sides = (18)

Number of sides = 14

Each exterior angle = $\begin{pmatrix} 18^{\circ} \\ \end{pmatrix}$ Each exterior angle = $\begin{pmatrix} 20^{\circ} \\ \end{pmatrix}$ Each exterior angle = $\begin{pmatrix} 26^{\circ} \\ \end{pmatrix}$